amphion® create

Handmade in Finland ®

Amp700

Reference Manual

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Amp700 In-The-Box:

1 pc	Amphion Amp700 Power amplifier
1 pc	Amp700 Reference manual

Safety warnings

1. Please read and follow these instructions before using the amplifier.

2. Do not use this apparatus near water.

3. Clean only with a dry cloth.

4. Do not block any ventilation openings.

5. Install in accordance with the manufacturer's instructions.

6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

CAUTION!
RISK OF ELECTRIC SHOCK
DO NOT OPEN
AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR
WARNING: SHOCK HAZARD-DO NOT OPEN
This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.
This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

7. The unit generates heat especially during prolonged operation at intensive levels. Please do not cover or place objects on top. When rack mounting it is recommended to leave space above the unit to allow free circulation of air.

8. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

9. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

11. Any terminals marked with the preceding symbol are HAZARDOUS LIVE and any wiring connected to these terminals must be installed by an INSTRUCTED PERSON or with ready-made leads or cords.

12. Unplug this apparatus during lightning storms or when unused for long periods of time.

13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

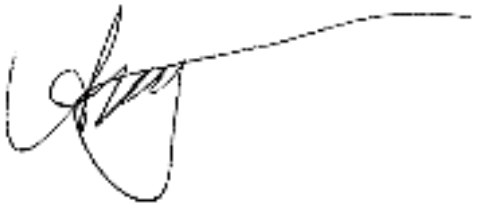
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. DO NOT EXPOSE THIS EQUIPMENT TO DRIPPING OR SPLASHING AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, ARE PLACED ON THE EQUIPMENT. TO COMPLETELY DISCONNECT THIS EQUIPMENT FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE. THE MAINS PLUG OF THE POWER SUPPLY CORD SHALL REMAIN READILY OPERABLE.

Amphion Create products come with a two-year warranty against defects in materials and our workmanship. For warranty or out-of-warranty service, in the first instance please contact your original dealer and provide a copy of the original sales receipt. If you require additional assistance, please contact your local sales representative or distributor. If you have difficulty making contact with either of the above, please contact our headquarters. Please do not return or ship any product to Amphion Loudspeakers Ltd. nor its resellers without prior authorisation. For proper unpacking, installation, positioning, and maintenance instructions, please first check the manual thoroughly.

Thank you for choosing the Amphion Amp700.

Amphion's philosophy is to develop long-life, innovative, high-performance products. Instead of following mainstream market trends, a healthy dose of out-of-the-box thinking is applied in our design process. Amphion Amp700 is good example of how the latest in modern D-class is brought to the next level by a simplistic, impedance optimizing, low-distortion buffer stage. When combined with the in-house designed buffer stage, the beauty and honesty - D-Class speed, control, neutrality, and low distortion - comes across in emotionally involving manner. I hope that you enjoy using your new amplifier as much as we enjoyed developing it.

Anssi Hyvönen
Founder, CEO
Amphion Loudspeakers Ltd.

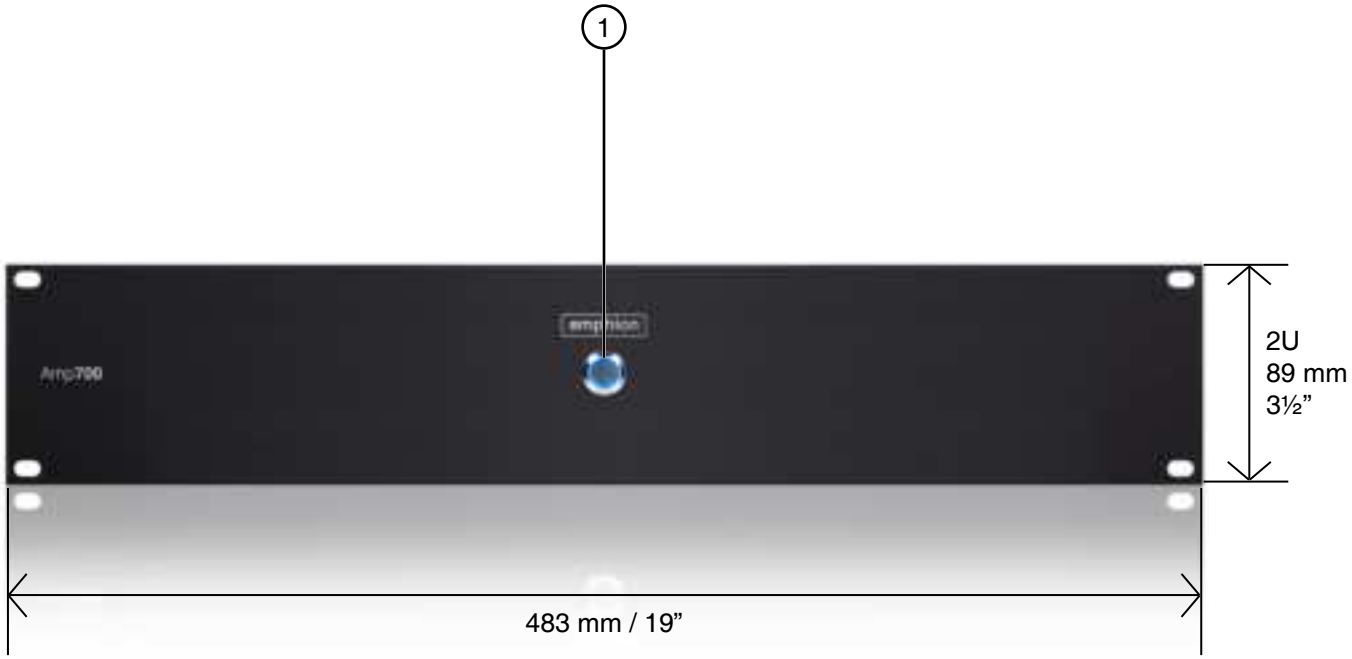


The Amp700

Amp700 provides abundant, fast, controlled power with low distortion. After evaluating all the available D-class solutions, a suitable platform was identified. To reach the needed sonic character and performance, an in-house designed buffer-stage was added to ensure optimal impedance matching to complement the merits of D-Class technology. Amp700 is a perfect partner to all Amphion monitors and other passive speakers.

Front panel controls

PLEASE NOTE! When rack mounting it is recommended to leave at least 1U space above the unit to allow free air circulation.



1 Power button

Power switch. A blue light indicates when the amplifier is turned on.

PLEASE NOTE! If power of the amplifier switches off after a few seconds when turned on, please make sure that you push the power button all the way in.

PLEASE NOTE! Turn on power before feeding signal into the amplifier.

Back panel connections

(2) Line inputs

Balanced input for stereo signal (L and R).

(3) Speaker outputs

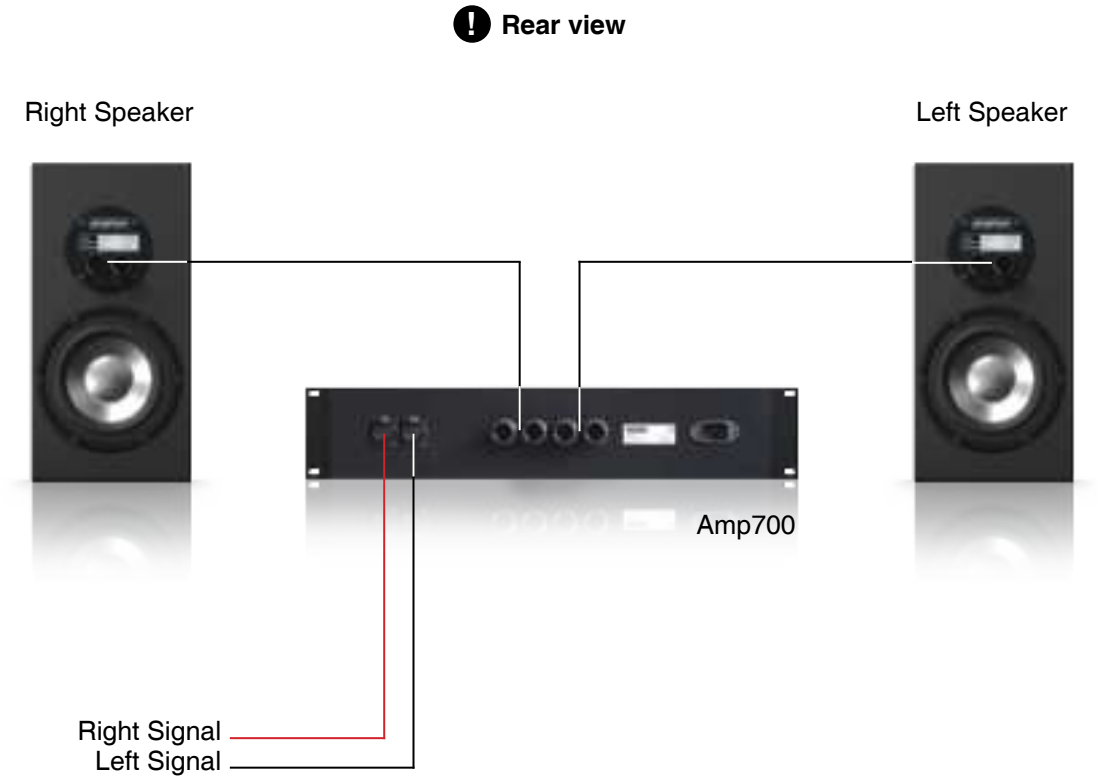
Can be used with bare wire, banana plugs or spades.

(4) Power input

Auto switching in the 100-240V range, internally fused.

PLEASE NOTE! Always turn power off before inserting or removing cables.

Connectivity diagram



Technical specifications

Power rating	2x 350W, 8Ω; 2x 700W, 4Ω, Minimum load impedance 2.5Ω
Dynamic range	117 dB
Peak output current	30A
THD+N 1 W@1 kHz	0,006%
Amp + power supply efficiency (max)	84 %
Mains	Universal mains, auto select (100-240 V, 50-60 Hz)
Certification	CE, Energy Star v3.0 compliant
Inputs	2x Neutrik XLR inputs
Speaker connectors	3-way binding posts (banana connector, bare wire or spades)
Casing	19” rack mountable (2U), high quality aluminium
Power switch	Front
Measurements (W x H x D)	483 x 88 x 260 mm (19” x 3½” x 10¼”)
Weight	5,5 kg (12 lbs)

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